

Converting Colors

XYZ(46.6487, 44.9113, 15.2269)

Have a look what the booklet for
XYZ(46.6487, 44.9113, 15.2269)
contains.

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Color

**XYZ(46.6487, 44.9113,
15.2269)**

Conversions

Conversions Part 1

Format	Color
Hex	E0A957
RGB	224, 169, 87
RGB Percent	88%, 66%, 34%
CMY	0.1216, 0.3372, 0.6588
CMYK	0.00, 0.25, 0.61, 0.12
HSL	36°, 69%, 61%
HSV	36°, 61%, 88%
XYZ	46.6487, 44.9113, 15.2269
YIQ	176.0970, 59.1020, -13.8420

Conversions

Conversions Part 2

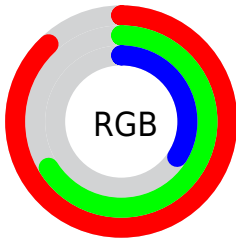
Format	Color
RYB	179, 224, 87
Decimal	14723415
CIELab	72.83, 11.50, 49.35
CIELCh	73, 50.671, 76.885
Yxy	44.9113, 0.4368, 0.4206
Android (android.graphics.Color)	4292913495 (0xFFE0A957)
YUV	176.0970, -43.9248, 42.0109
Hunter-Lab	67.0159, 6.9732, 33.4397

Details

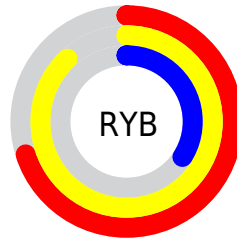
The XYZ color **46.6487, 44.9113, 15.2269** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **27.0575, 26.7529, 74.2583**, and the grayscale version is **41.5188, 43.6810, 47.5686**.

A 20% lighter version of the original color is **72.5559, 76.4354, 35.3555**, and **22.1968, 20.8493, 4.5235** is the 20% darker color. If you saturate the color by 10%, you get **44.2562, 41.3708, 10.5936**, and if you desaturate by 10%, it is **49.4423, 48.7999, 21.3952**.

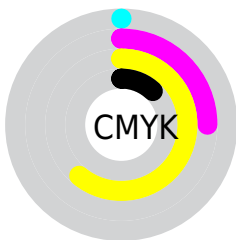
Distribution



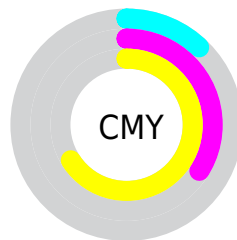
- Red (88%)
- Green (66%)
- Blue (34%)



- Red (70%)
- Yellow (88%)
- Blue (34%)



- Cyan (0%)
- Magenta (25%)
- Yellow (61%)
- Black (12%)



- Cyan (12%)
- Magenta (34%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6487, 44.9113, 15.2269 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 46.6487, 44.9113, 15.2269 by changing the saturation by 10% instead.

46.6487, 44.9113,
15.2269

46.6487, 44.9113,
15.2269

364.0829,
366.4142, 236.4234

32.9648, 31.3876,
8.8304

84.4109, 82.5873,
35.9987

22.2586, 20.8941,
4.5354

109.2200,
107.5083, 51.2110

14.1647, 13.0466,
1.9234

138.4682,
136.9973, 70.1990

8.3178, 7.4607,
0.5076

172.5208,
171.4385, 93.3813

4.3525, 3.7518,
0.0000

211.7432,
211.2164, 121.1763

1.9034, 1.5357,
0.0000

256.5008,

0.5788, 0.3137,

256.7154, 154.0026

0.0000

307.1589,
308.3199, 192.2788

■ 0.0000, 0.0000,
0.0000

■ 46.6487, 44.9113,
15.2269

■ 46.6487, 44.9113,
15.2269

■ 44.2562, 41.3708,
10.5936

■ 49.4423, 48.7999,
21.3952

■ 42.2320, 38.1562,
7.3485

■ 52.6597, 53.0439,
29.2219

■ 40.5424, 35.2521,
5.3202

■ 56.3256, 57.6585,
38.8207

■ 39.2766, 32.9199,
4.2841

■ 60.4614, 62.6555,
50.2944

■ 65.0870, 68.0462,
63.7378

■ 70.2212, 73.8414,
79.2395

■ 75.8815, 80.0511,
96.8823

■ 80.2279, 85.9425,
106.9678

■ 82.9548, 91.3963,
107.8768

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.3484, 44.9113, 21.3391



46.6487, 44.9113, 15.2269



37.9514, 44.9113, 15.6098

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



46.6487, 44.9113, 15.2269



28.4375, 44.9113, 64.3958



56.2912, 44.9113, 90.1377

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



46.6487, 44.9113, 15.2269



27.0575, 26.7529, 74.2583

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



47.8007, 44.9113, 111.5959



46.6487, 44.9113, 15.2269



32.1204, 44.9113, 93.5750

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



46.6487, 44.9113, 15.2269



28.2179, 44.9113, 38.6943



38.9559, 44.9113, 113.0347



61.4101, 44.9113, 60.7606

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.6487, 44.9113, 15.2269



33.3017, 44.9113, 19.4474



38.9559, 44.9113, 113.0347



53.6878, 44.9113, 98.8984

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



46.6498, 44.9135, 15.2278



82.9222, 86.1908, 72.6526



39.1892, 24.6802, 29.1176



17.3739, 18.0062, 14.4773



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.6498, 44.9135, 15.2278



58.6865, 54.4417, 13.0210



55.6957, 68.0830, 19.2232



14.3861, 15.0582, 14.4551



22.9774, 19.3927, 2.5321



1.6796, 1.5182, 0.2045

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



27.0575, 26.7529, 74.2583



30.4025, 28.2976, 98.4673



21.9452, 14.8186, 72.2242



13.4014, 14.1419, 17.4110



10.0613, 7.5922, 41.9835



0.7834, 0.6982, 2.9387

Previews

White Background



This preview shows how the XYZ color 46.6487, 44.9113, 15.2269 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 46.6487, 44.9113, 15.2269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

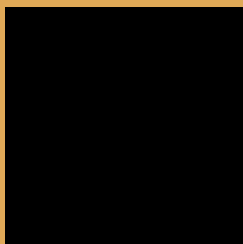
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.6487, 44.9113, 15.2269

Background



This preview shows how black text looks on a background with the XYZ color 46.6487, 44.9113, 15.2269.



This preview shows how white text looks on a background with the XYZ color 46.6487, 44.9113,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

46.6487, 44.9113, 15.2269

Protanopia

41.2543, 44.9842, 16.1813

Deuteranopia

45.9138, 44.8097, 15.2460



Tritanopia

52.9722, 45.1091, 44.9447

Trichromacy



Original Color

46.6487, 44.9113, 15.2269

Protanomaly

42.8653, 44.6466, 15.8096

Deuteranomaly

46.2192, 44.9672, 15.2603

Tritanomaly

49.8998, 44.6115, 31.1802

Monochromacy



Original Color

46.6487, 44.9113, 15.2269

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

41.9699, 43.2382, 32.5193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6487, 44.9113, 15.2269 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(224, 169, 87)` looks like.

```
.text, #text, p{  
    color:rgb(224, 169, 87)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(224, 169, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 169, 87) }
```

Border

The CSS property to change the border of an element to XYZ 46.6487, 44.9113, 15.2269 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(224, 169, 87) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(224, 169, 87) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(224, 169, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 169, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 169, 87);  
box-shadow:4px 4px 4px 4px rgb(224, 169,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6487, 44.9113, 15.2269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 169, 87) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(224,  
169, 87) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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